

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

COPY

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

22438, 23553, 25278, AND 26212 NOVEL HUMAN SULFATASES,

the specification of which

☐ is attached hereto

OR

☒ was filed on 1/31/2001 as United States Application No. 09/773,426.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

			<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

Application Number	Filing Date (MM/DD/YYYY)
Application Number	Filing Date (MM/DD/YYYY)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application (37 C.F.R. § 1.63(d)).

09/495,823	1/31/2000	Pending
Application No.	Filing Date	Status Patented/Pending/Abandoned
Application No.	Filing Date	Status Patented/Pending/Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following practitioners:

Theodore Allen, Reg. No. 41,578
Jean M. Silveri, Reg. No. 39,030
Scott A. Brown, Reg. No. 32,724
Susan M. Perkins, Reg. No. 36,405
Jill E. Uhl, Reg. No. 43,213
George C. Jen, Reg. No. 39,239

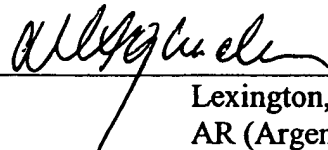
and, I also appoint the practitioners associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that Customer Number:

Customer Number 000826

Direct telephone calls to:

W. Murray Spruill
Registration No. 32,943
Tel Raleigh Office (919) 420-2200
Fax Raleigh Office (919) 420-2260

Full name of (first/sole) inventor: Maria Alexandra Glucksmann

Inventor's
Signature: X  Date: X 6-8-01
Residence: Lexington, MA
Citizenship: AR (Argentina)
Mailing Address: 33 Summit Road
Lexington, MA 02173

Full name of second inventor: Mark Williamson

Inventor's
Signature: _____ Date: _____
Residence: Saugus, MA 01906
Citizenship: United States of America
Mailing Address: 15 Stonecrest Drive
Saugus, MA 01906

Full name of third inventor: Fong Ying Tsai

Inventor's
Signature: _____ Date: _____
Residence: Newton, MA
Citizenship: Taiwan (Republic of China)
Mailing Address: 15 Montclair Road
Newton, MA 02468

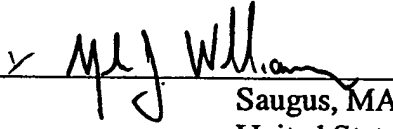
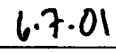
Full name of fourth inventor: Laura A. Rudolph-Owen

Inventor's
Signature: _____ Date: _____
Residence: Jamaica Plain, MA 02130
Citizenship: United States of America
Mailing Address: 186 Arborway, #1
Jamaica Plain, MA 02130

Full name of (first/sole) inventor: Maria Alexandra Glucksmann

Inventor's
Signature: _____ Date: _____
Residence: Lexington, MA
Citizenship: AR (Argentina)
Mailing Address: 33 Summit Road
Lexington, MA 02173

Full name of second inventor: Mark Williamson

Inventor's
Signature:  Date: 
Residence: Saugus, MA 01906
Citizenship: United States of America
Mailing Address: 15 Stonecrest Drive
Saugus, MA 01906

Full name of third inventor: Fong Ying Tsai

Inventor's
Signature: _____ Date: _____
Residence: Newton, MA
Citizenship: Taiwan (Republic of China)
Mailing Address: 15 Montclair Road
Newton, MA 02468

Full name of fourth inventor: Laura A. Rudolph-Owen

Inventor's
Signature: _____ Date: _____
Residence: Jamaica Plain, MA 02130
Citizenship: United States of America
Mailing Address: 186 Arborway, #1
Jamaica Plain, MA 02130

Full name of (first/sole) inventor: Maria Alexandra Glucksmann

Inventor's

Signature: _____ Date: _____

Residence: Lexington, MA

Citizenship: AR (Argentina)

Mailing Address: 33 Summit Road
Lexington, MA 02173

Full name of second inventor: Mark Williamson

Inventor's

Signature: _____ Date: _____

Residence: Saugus, MA 01906

Citizenship: United States of America

Mailing Address: 15 Stonecrest Drive
Saugus, MA 01906

Full name of third inventor: Fong Ying Tsai

Inventor's

Signature:  Date: 6/8/01

Residence: Newton, MA

Citizenship: Taiwan (Republic of China)

Mailing Address: 15 Montclair Road
Newton, MA 02468

Full name of fourth inventor: Laura A. Rudolph-Owen

Inventor's

Signature: _____ Date: _____

Residence: Jamaica Plain, MA 02130

Citizenship: United States of America

Mailing Address: 186 Arborway, #1
Jamaica Plain, MA 02130

Full name of (first/sole) inventor: Maria Alexandra Glucksmann

Inventor's

Signature: _____ Date: _____

Residence: Lexington, MA

Citizenship: AR (Argentina)

Mailing Address: 33 Summit Road
Lexington, MA 02173

Full name of second inventor: Mark Williamson

Inventor's

Signature: _____ Date: _____

Residence: Saugus, MA 01906

Citizenship: United States of America

Mailing Address: 15 Stonecrest Drive
Saugus, MA 01906

Full name of third inventor: Fong Ying Tsai

Inventor's

Signature: _____ Date: _____

Residence: Newton, MA

Citizenship: Taiwan (Republic of China)

Mailing Address: 15 Montclair Road
Newton, MA 02468

Full name of fourth inventor: Laura A. Rudolph-Owen

Inventor's

Signature: Laura Rudolph Owen Date: 6/6/01

Residence: Jamaica Plain, MA 02130

Citizenship: United States of America

Mailing Address: 186 Arborway, #1
Jamaica Plain, MA 02130



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

ESK
208398

SEPTEMBER 10, 2001

PTAS

Alston & Bird



101769354A

ALSTON & BIRD LLP
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BANK OF AMERICA PLAZA
101 SOUTH TRYON STREET, SUITE 4000
CHARLOTTE, NC 28280-4000

SEP 17 2001

Received By dh

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/02/2001

REEL/FRAME: 011939/0701
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GLUCKSMANN, MARIA ALEXANDRA

DOC DATE: 06/08/2001

ASSIGNOR:

WILLIAMSON, MARK

DOC DATE: 06/07/2001

ASSIGNOR:

TSAI, FONG YING

DOC DATE: 06/08/2001

ASSIGNOR:

RUDOLPH-OWEN, LAURA

DOC DATE: 06/06/2001

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.
75 SIDNEY STREET
CAMBRIDGE, MASSACHUSETTS 02139

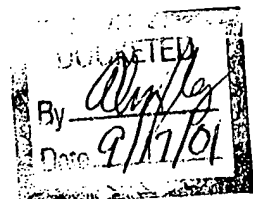
ALSTON & BIRD
RTA
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9/18/01 waw

SERIAL NUMBER: 09773426

FILING DATE: 01/31/2001

PATENT NUMBER:

ISSUE DATE:



011939/0701 PAGE 2

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

07-06-2001



ASSIGNMENT

101769354

3 SHEET Patents Only

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

Attorney Dkt. No.: 35800/208398(5800-79A)

1. Name of conveying party(ies):

Maria Alexandra Glucksmann
Mark Williamson
Fong Ying Tsai
Laura Rudolph-Owen

2. Name and address of receiving party(ies):

Millennium Pharmaceuticals, Inc.
75 Sidney Street
Cambridge, MA 02139

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

3. Nature of conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other _____

Additional name(s) & address(es) attached? Yes ☐ No ☒

Execution Date: Glucksmann--6/8/2001; Williamson--
6/7/2001; Tsai--6/8/01; Rudolph-Owen--6/6/01

MM 7/2/01

4. Application No. 09/773,426; Filed January 31, 2001

Patent No. _____

If this document is being filed together with a new application, the execution date of the application is: _____

Additional numbers attached? Yes ☐ No ☒

5. Name and address of party to whom correspondence concerning document should be mailed:

CUSTOMER NO. 000826
ALSTON & BIRD LLP
Bank of America Plaza
101 South Tryon Street, Suite 4000
Charlotte, NC 28280-4000

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41) \$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 16-0605

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Name of Person Signing: Eric J. Kron
Reg. No. 45,941

6/27/01
Date

Total number of pages including cover sheet, attachments, and document: 6

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Millennium Pharmaceuticals, Inc.
75 Sidney Street
Cambridge, MA 02139

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in **"22438, 23553, 25278, AND 26212 NOVEL HUMAN SULFATASES"**

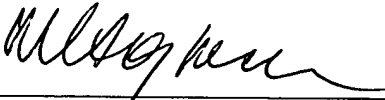
as set forth in this United States Patent Application

- ☐ executed concurrently herewith
- ☐ executed on
- ☒ Application No. 09/773,426; filed January 31, 2001

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

X June 8, 2001
Date

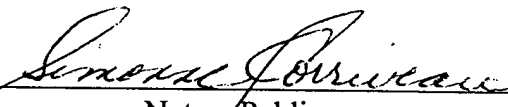
X 
Maria Alexandra Glucksmann

X State of Massachusetts)
X County of Middlesex)

I, Simonne Corriveau, a Notary Public for said County and State, do hereby certify that Maria Alexandra Glucksmann personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 8th day of June, 2001.

(Official Seal)

X 
Notary Public

My commission expires 9/1/2006

Date

Mark Williamson

State of _____)

County of _____)

I, _____, a Notary Public for said County and State, do hereby certify that Mark Williamson personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 2001.

(Official Seal)

Notary Public

My commission expires _____

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Date

Maria Alexandra Glucksmann

State of _____)

County of _____)

I, _____, a Notary Public for said County and State, do hereby certify that Maria Alexandra Glucksmann personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 2001.

(Official Seal)

My commission expires _____

Notary Public

X 6-7-01
Date

X Mark Williamson
Mark Williamson

X State of Massachusetts)

X County of Middlesex)

X Simonne Corriveau, a Notary Public for said County and State, do hereby certify that Mark Williamson personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

X Witness my hand and official seal, this the 7th day of June, 2001.

(Official Seal)

My commission expires 9/1/2006

X Simonne Corriveau
Notary Public

X 6/8/01
Date

X *Fong Ying Tsai*
Fong Ying Tsai

X State of Massachusetts)

X County of Middlesex)

X I, Simonne Cariveau, a Notary Public for said County and State, do hereby certify that Fong Ying Tsai personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

X Witness my hand and official seal, this the 8th day of June, 2001.

(Official Seal)

X *Simonne Cariveau*
Notary Public

My commission expires 9/1/2004

Date

Laura Rudolph-Owen

State of _____)

County of _____)

I, _____, a Notary Public for said County and State, do hereby certify that Laura Rudolph-Owen personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 2001.

(Official Seal)

Notary Public

My commission expires _____

Date

Fong Ying Tsai

State of)

County of)

I, _____, a Notary Public for said County and State, do hereby
certify that Fong Ying Tsai personally appeared before me this day and acknowledged the due
execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 2001.

(Official Seal)

Notary Public

My commission expires _____

X 6/6/01
Date

X Laura Rudolph-Owen
Laura Rudolph-Owen

X State of MA)

X County of Middlesex)

X I, Simonne Corriveau, a Notary Public for said County and State, do hereby
certify that Laura Rudolph-Owen personally appeared before me this day and acknowledged the
due execution of the foregoing instrument.

X Witness my hand and official seal, this the 6th day of June, 2001.

(Official Seal)

My commission expires 9/1/2006

X Simonne Corriveau
Notary Public